Asynchronous method :-

```
<script>
  var msg = "hello"
  setInterval(function()
  {
    console.log("data received from server")
  }, 5000);
  console.log(msg)
</script>
```

O/p :- hello.
data received from server

Synchronous method :-

```
<script>
  var msg = "hello"
  setInterval( function(){ console.log("data recieved")}, 5000);
  console.log(msg);
  while (true){
    console.log("Angular")
  }
  console.log("app is ready");
  console.log("done execution");
```

Note :- while condition is taking infinite times so, the html code will not be executed

server.json

```
{
  "details": [
    {
      id: 1
      name: Akshata
      email: akshata@gmail.com
      mobile: 8019992010
    },
    {
      "id": "Blessina"
      name: "blessina"
      email: "blessina@gmail.com"
      mobile: 9843265230
    }
  ]
}
```

details.ts

```
export interface Details{
 "id":number,
 "name":string,
 "email":string,
 "mobile":number
}
```

Command to create Interface

ng g i Details.

app.component.ts

```
export class AppComponent{
title = 'httpProject';
data :Details[]
url = "http://localhost:3000/details"
constructor(private http:HttpClient){
this.http.get(this.url).subscribe((res:Details[])=>{
 console.log(res)
 this.data=res; console.log(this.data) })
}}
```

app.component.html

```
<h1> app component </h1>
{{data | json}}
<div>
  <ul class="list-group">
  <li *ngFor="let d of data">{{d.name}} : {{d.email}}</li>
  </ul>
</div>
```

app.component.css

```
li{
    border: solid red;
    margin-bottom: 10px;
   }
  div{
      padding-right: 600px;
     }
```

Output:-

app component.

[{ id = "1" ; Aame: Akshata" ; "email": "akshatha@gmail.com" ; "mobile": 8019992010}, {"id": "2" ; name: "Bessina", "email": bleusina@gmail.com", "mobile: 7894561230}]

Akshatha : akshatha@gmail.com.

Bessina : bessina@gmail.com.

Deleting the data:

app.component.ts

```
onDelete(obj){
 console.log(obj)
 console.log(obj.id)
// http://localhost:3000/details/1
 this.http.delete(this.url+'/'+obj.id).subscribe
  (res => {console.log(res)})
}
```

app.component.html

```
<h1> app component </h1>
{{data|json}}
<div>
  <ul class="list-group">
   <li *ngFor="let d of data">
   <button class="btn btn-danger" (click)="onDelete(d)">
    Delete </button> {{d.name}}: {{d.email}}</li>
  </ul>
</div>
```

o/p1:-

Delete	Akshata: akshata@gmail.com
Delete	blusina: blusina@gmail.com

o/p2:-

```
[{
   id: "2",
   name: "blessina",
   email: "blessina@gmail.com",
   "mobile": 7894561230
}]
```

o/p3:-

Delete	blessina: blusina@gmail.com.

After refreshing the data will be affected on web page

showing the result dynamically.

app.component.ts

```
export class AppComponent{
title = "httpProject"
data.Details[]
url = "http://localhost:3000/details"
constructor(private http:HttpClient)
{
  this.http.get(this.url).subscribe((res:Details[])=>
  {
    this.data=res;
    console.log(this.data)
  })
}
  onDelete(obj)
  {
    console.log(obj)
    console.log(obj.id)
    this.http.delete(this.url+'/'+obj.id).subscribe
    (res=>{console.log(this.data)
          console.log(res)
      let Index = this.data.IndexOf(obj)
      console.log("Index of data"+Index)
       this.data.splice(Index,1)
        console.log(this.data)
    })
  }
}
```

app.component.html

```
<h1> app component</h1>
{{ data|json}}
<div>
  <ul class="list-group">
  <li *ngFor="let d of data">
```

```
<button class="bth btn-danger" (click)="onDelete(d)">
  Delete </button> {{d.name}} :{{ d.email}} </li>
</ul>
</div>
```

Output 1:-

Delete	Akshatha: akshatha@gmail.com.
Delete	biesin : biesine@gmail.com.
Delete	Shiva : shiva@gmail.com.

Output 2:-

Delete	Akshatha : akshatha@gmail.com
Delete	Biesin : biesine@gmail.com.